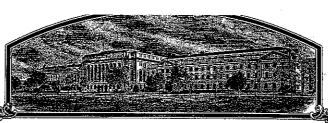
No.



200400240

HHE UNIVERD STAVES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Ar. Peter Franck

There has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, ONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR CONDITIONING IT OPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR IT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN STATES SEED OF THIS VARIETY (I) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED WALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT.

WHEAT, COMMON

'Harvard'

In Testimon Marcest, I have hereunto set my hand and caused the seal of the Mant Anciety Aratection Office to be affixed at the City of Washington, D.C. this twenty-fourth day of November, in the year two thousand and four.

Attast:

Demze

Commissioner Plant Variety Protection Office Agricultural Marketing Service Agriculturo

a morta, to tare, interined that		ETAILOS.
SIGNATURE OF OWNER	areen	SIGNATURE OF OWNER A RECEIVE
NAME (Please print or type)		NAME (Please print or type)
Dr. Peter Franck		Dr. Peter Franck
CAPACITY OR TITLE	DATE	CAPACITY OR TITLE DATE
Breeder	tion 2, 2004	Breeder (Yay 2 2004
	/	

See reverse for instructions and information collection burden statement

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Complete application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hy variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the se it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,6 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items o face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvpindex.htm

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Bra AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 http://www.ams.usda.gov/lsg/seed.htm.

ITEM

19a. Give:

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as comp as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disea resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the P
- 20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative de after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.) CANADA: first commercial sules 2002

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

Canada: registration number 5542, registration date 12.09.2002 , Flore Breaker's Pight, Appl. No. 02-3004, Ca-1. # 1671 (Dec. 2003)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or own representative during the life of the application/certificate. The fees for filling a change of address; owner's representative; ownership or assignment; or an modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for review instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or f status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of progrimformation (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (v TDD). USDA is an equal opportunity provider and employer



ACS Seeds

Advanced Cereal Seeds

ACS Seeds - 74523 Schwäbisch Hall

ORIGIN AND BREEDING HISTORY OF THE VARIETY EXHIBIT A

20.7.2004

Name of applicant

: Dr. Peter Franck

Experimental Number : Harvard (ACS 98036) Hard Red Winter Wheat

Harvard is a hard red winter wheat variety bred by Dr. Peter Franck. The variety is the result of the following crosses and selections:

Pedigree: PF 626/80 x FHB 8801/78

PF 626/80

= Adam x Hercules

FHB 8801/78

= Karat x line 286

The final cross was made in 1987. Single plant selection was used from F2 to F8 generation. Selection criteria were winter hardiness, milling quality and disease resistance (FHB, brown rust and powdery mildew)

Agronomically acceptable rows were selected; 20 such rows were multiplied. Testing of agronomic values started in F7 generation in Kanada.

Since successive generations were tested in various US-states, mainly Montana.

Stages of Selection and Multiplication

From this 20 rows 4 lines were finally selected and bulked.

Harvard will be maintained at Oberlimpurg throughout the duration of Plant Variety Protection, based on 800 single plant progenies sown annually as "ear to row". Negative selection is based on obvious criteria in all stages from 4-leaf-stage to harvest. Breeders seed production is generated from this material.

Uniformity and Stability Statement

Harvard has been observed for 4 generations of increase and is stable and uniform. Variants appear in Harvard at a frequency of about 5 in 10000, these off-types have slightly longer awnlets.



ACS Seeds

Advanced Cereal Seeds

ACS Seeds - 74523 Schwäbisch Hall

"Harvard (ACS 98036)"

20.7.2004

Hard Red Winter Wheat

Exhibit B Statement of Distinctness

Harvard is most similar to the variety CDC Falcon; however Harvard differs from plant height (89 cm vs. 86,5 cm) and ear emergence (Harvard is two days earlier than CDC Falcon). Harvard is apically awnletted where CDC Falcon is awned. The glume shoulders of Harvard are square where the glume shoulders of CDC Falcon are wanting. Harvard has better quality results than CDC Falcon (see table 1).

Table 1. Quality characteristics of Harvard compared to check variety CDC Falcon in Western Plant Breeders (Bozeman and Moses Lake) trials 2002-2003 (avg. of 2 locations)

<u>Entry</u>	Heading Date Julian Days	Plt. Ht.	T.W. (lbs/bu)	Protein <u>%</u>	SED (mm)
CDC Falcon ML, WA 2003	T.		63,9	13,1	108
CDC Falcon BZ, MT 2003	170	84	61,5	12,0	84
CDC Falcon BZ, MT 2002	<u>175</u>	<u>89</u>	<u>61,8</u>	<u>12,3</u>	<u>109</u>
AVG	172,5	86,5	62,4	12,5	100
Harvard ML, WA 2003			64.4	15,0	113
·	169	81	•	13,0	107
Harvard BZ, MT 2003			62,7	·	
Harvard BZ, MT 2002	<u>172</u>	<u>97</u>	<u>64,1</u>	<u>13,7</u>	<u>113</u>
⁻AVG	170,5	89,0	63,7	14,2	111

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponser, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 2.5 hours per response, including the time for reviewing instructions, searching existing data sources, gethering and maintaining the data data needed, and completed and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, aga, disability, sexual orientation, marital or famil status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, targe print, audiotape, etc.) should contact USDA's TARGE Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5954 (vo9ice and TDD). USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY

	Wheat (Triticum spp.)	I XI loc 1 I
NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME
DR. PETER FRANCK	ACS 98036	Harvard
ADDRESS (Street and No. or RD No., City, State, Zip Code and Country) ACS-PZO Pflanzenzucht Oberlimpu Oberlimpurg 2 D-74523 Schwabisch Hall GERMANY		POR GETICIAL USE ONLY PVPO NUMBER 200400240
PLEASE READ ALL INSTRUCTIONS CAREFULLY:		
when number is either 99 or less or 9 or less respec	same trial. Royal Horticultural Society or any recogni	ace a zero in the first box (e.g. 0 9 9 9 or 0 9) be based on a minimum of 100 plants. Comparative data ized color standard may be used to determine plant colors; for your variety; lack of response may delay progress of
1. KIND: 1 = Common 2 = Durum 3 = Club 4 = Other (Specify)	2	fton: = Spring Prince P
3. COLEOPTILE ANTHOCYANIN: 1 1 = Absent 2	4. JUVENILE PL = Present 2 1	_ANT GROWTH: = Prostrate
5. PLANT COLOR: (boot stage) 2	2 1	(boot stage) = Erect 2 = Recurved = Not Twisted 2 = Twisted = Wax Absent 3 = Wax Present
7. EAR EMERGENCE: Days from January 1 7 1 Number of Days (average 0 2 Number of Days Earlier T Same as Number of Days Later Th	han * CDC Falcon *	rdal .
8. ANTHER COLOR: 1 1 = Yellow 2 = P	urple	

9, PLAN	8 9 cm (Average)	op of head, excludi	ng awns)				200	40(240	√.
	2-3 cm Taller Than		* CDC Falcon							
	Same as		*			· · · · · · · · · · · · · · · · · · ·				
	cm Shorter Tha	ın	*					·		
· .			*Relative to a Commer	cial Variet	y Grown in the	Same Trial				
10. STEM	1:			• .						
<u>A.</u> A	NTHOCYANIN	$\lambda_{(a_1, \dots, a_n)} = \lambda_{(a_1, \dots, a_n)}$		D.	INTERN	ODE				
1	1 = Absent	2 = Present			1	1 = Hollow Number of Nodes		mi-Solid	3 = Solid	
B. V	VAXY BLOOM			E.	PEDUNC	CLE				
2	1 = Absent	2 = Present			1 4	1 = Erect cm Length	2 = Re	curved	3 = Semi-Erec	:t
	IAIDINESS (last internada	.f		_	AUDIOLE	-	•			
C. H	IAIRINESS (last internode 1 = Absent	or racnis) 2 = Present		F.	AURICLE				0 - D	
	I - Absent	z – Fieseiii			2	Anthocyanin: Hair:	1 = Abs		2 = Present 2 = Present	
						Tiali.	I - Abs	36111	2 - F1636III	
	: (at maturity)			C	CURVAT	TIDE				
	1 = Lax			C.	L	1 = Erect				
	2 = Mid-dense (Lax	(idense)		-		2 = Inclined				
	3 = Dense			•		3 = Recurved		. :		٠
B. SI	HAPE			D.	AWNEDN	NECC.				
	1 = Tapering		F	Ь.	2	1 = Awnless				
النا	2 = Strap				كا	2 = Apically Awnl	etted			
	3 = Clavate				•	3 = Awnletted	1			
	4 = Other (Specify)		· .			4 = Awned				
12. GLUMI	ES: (at maturity)									
A. C	OLOR			. E.	BEAK WI	DTH				
1	1 = White				2	1 = Narrow				
	2 = Tan		•		—	2 = Medium				
٠	3 = Other (Specify)	. · · · · · · · · · · · · · · · · · · ·				3 = Wide				
B. SI	HOULDER			F.	GLUME L	ENGTH	· .			
4	1 = Wanting	2 = Oblique			2	1 = Short (ca. 7m	m)			. i
	3 = Rounded	4 = Square				2 = Medium (ca. 8	3mm)			
	5 = Elevated	6 = Apiculate				3 = Long (ca. 9mi	m)			
	7 = Other (Specify)			1.						
C. SI	HOULDER WIDTH			G.	WIDTH					
2	1 = Narrow				2	1 = Narrow (ca. 3				
	2 = Medium 3 = Wide					2 = Medium (ca. 3				
	5 – vvide					3 = Long (ca. 4mr	11)			
D. BE		· ·			-		•		· · · · · · · · · · · · · · · · · · ·	•
2	1 = Obtuse									
	2 = Acute 3 = Acuminate									

13. 3000			200400240
A. S	HAPE	E. CC	
1	1 = Ovate	3	1 = White
	2 = Oval	<u> </u>	2 = Amber
	3 = Elliptical		3 = Red
			4 = Other (Specify)
B. C	HEEK	F TE	XTURE
	1 = Rounded		
لـــــا	2 = Angular	<u> </u>	2 = Soft
			3 = Other (Specify)
	Buou		
	RUSH		ENOL REACTION
2	1 = Narrow 1 = Not Collared	4	-
	2 = Medium 2 = Collared 3 = Wide		2 = Fawn 5 = Black 3 = Light Brown
4			o – Light blown
D. C	REASE	H. SEI	ED WEIGHT
2	1 = Width 60% or less of Kernel	4 2	g/1000 Seed (whole number only)
	2 = Width 80% or less of Kernel		
	3 = Width nearly as Wide as Kernel	I. GE	RM SIZE
2	1 = Depth 20% or less of Kernel	2	
<u> 1</u>	2 = Depth 35% or less of Kernel		2 = Mid-Size
	3 = Depth 50% or less of Kernel		3 = Large
0 0 3 0 3 3 0 0 0 0	Tan Spot (Pyrenophora tritici-repentis) Halo Spot (Selenophoma donacis) Septoria nodorum (Glume Blotch) Septoria avenae (Speckled Leaf Disease) Septoria tritici (Speckled Leaf Blotch) Scab (Fusarium spp.) "Black Point" (Kernel Smudge) Barley Yellow Dwarf Virus (BYDV) Soilborne Mosaic Virum (SBMV) Wheat Yellow (Spindle Streak) Mosaic Virus Wheat Streak Mosaic Virus (WSMV)	0 0 0 3 0 0 0	Loose Smut (Ustilago tritici) Flag Smut (Urocystis agropyri) Common Bunt (Tilletia tritici or T. Laevis) Dwarf Bunt (Tilletia controversa)) Karnal Bunt (Tilletia indica) Powdery Mildew (Ersiphe graminis f. sp. tritici) "Snow Molds" Common Root Rot (Fusarium, Cochliobolus and Bipolaris spp.) Rhizoctonia Root Rot (Rhizoctonia solani) Black Chaff (Xanthomonas campestris pv. translucens) Bacterial Leaf Blight (Pseudomonas syringae pv. syringae) Other (Specify)
	Other (Specify)	_	Other (Specify)
	Other (Specify)	-	Other (Specify)
	Other (Specify)	_	Other (Specify)
0 0 0	(0 = Not Tested 1 = Suscep PLEASE SPECIFY Hessian Fly (Mayetiola destructor) Stem Sawfly (Cephus spp.) Cereal Leaf Beetle (Oulema melanopa)		2 = Resistant 3 = Intermediate 4 = Tolerant) (where needed) Other (Specify) Other (Specify) Other (Specify)
ت		<u> </u>	Otrier (opedity)

	PLEASE SPECIF	Y BIOTYPE (where needed)	200400240
			200400240
0 Russian Aphid (Diura	aphis noxia)	Other (Specify)	
0 Greenbug (Schizaph	is graminum)	Other (Specify)	
0 Aphids		Other (Specify)	

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

EXHIBIT "D"

Harvard Quality Data: Grain Quality Lab, Agriculture Canada, Ottawa 0 0 4 0 0 2 4 0

	Fl	lour	Flour	Prt	Flour	i	FARING	OGRAPH	DATA		Loaf	Starch	Agtron
	Y	ield	₽rt	Diff	Ash	ABSN	PK TM	Stab	MTI	TMD	Volume	Damage	Colour
1999											!		
Karat ch	k 8	3.4	12.02	1.01	0.38	60.5	6.7	6.2	37	68	822	5.41	
Fundulea	7	5.3	10.92	0.87	0.46	57.3	4.2	3.7	54	112	755	4.22	
Harvard	8	1.7	11.13	0.88	0.40	57.7	3.0	7.3	20	53	767	5.32	
CWRS (12.5)	7	6.7	12.04	0.67	0.46	60.7	5.5	6.2	31	73	835	5.61	
2000													
Karat ch	k 70	6.2	10.82	0.74	0.41	57.3	2.0	4.1	39	153	802	4.75	67.0
Fundulea	7	3.0	10.72	0.96	0.46	56.1	4.0	4.1	61	123	775	4.22	64.0
Harvard	7	7.6	10.71	0.75	0.43	58.5	2.0	3.8	40	114	790	5.08	63.0
CWRS (12.5)	7	5.2	12.04	0.67	0.46	60.5	5.9	7.3	29	69	825	5.52	
2 Year						1 1							
Karat ch	k 70	6.6	11.60		0.41	58.8	4.4	5.7	37	113	812	4.82	
Fundulea	7:	3.0	11.07		0.43	56.8	4.2	4.1	55	120	763	4.09	
Harvard	7	7.1	10.92		0.42	58.1	2.5	5.6	30	84	779	5.20	

Kernel C	hara	cterist	ics						
CULTIVAR		CGC	Fus	Test	TKW	Kernel	Grain	Grain	Fall
		Grade	Dmg	Weight		Hard	Protein	Ash	#
1999									
Karat	chk			83.4	36.3	54.9	13.03	1.39	321
Fundulea				82.6	34.1	64.1	11.79	1.39	307
Harvard				83.7	40.3	53.2	12.01	1.38	298
CWRS (12.	5)			83.4	31.5	52.3	12.71	1.57	364
2000								·	
Karat	chk	1	0.82	78.6	32.7	56.6	11.56	1.69	352
Fundulea		1	0.34	79.4	29.1	62.5	11.68	1.62	332
Harvard		2	0.24	80.9	37.2	55.5	11.46	1.54	293
CWRS (12.	5)	1	0.1	83.5	31.7	52.3	12.71	1.6	429
2 Year								-	
Karat	chk			81.1	34.5	56.7	12.22	1.60	328
Fundulea				81.0	31.0	64.0	11.89	1.56	297
Harvard				82.3	38.8	54.4	11.74	1.46	296

Locations:

1999: Palmerston, Ridgetown, Exeter

2000: Woodstock, Woodslee, Nairn, Palmerston, Chatham, Centralia, Ottawa

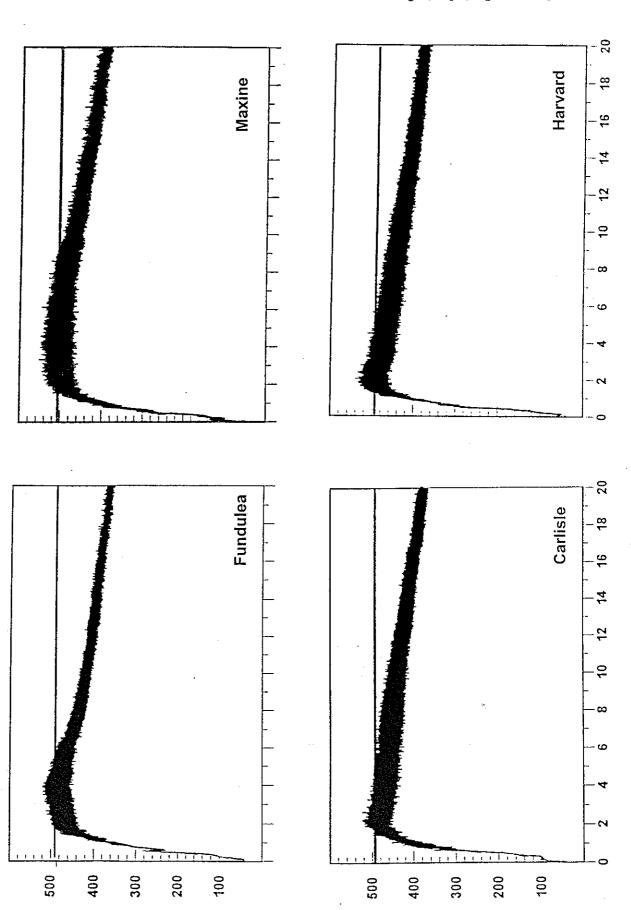
Page 2

Harvard

EXHIBIT "D"

Hard Red Winter Wheat

Ontario Hard RedWinter Wheat Registration Test Results from Grain Quality Lab, ECORC



REPRODUCE LOCALLY. Include form number and edition date on a U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).					
NAME OF APPLICANT(S) Dr. Peter Franck	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER ACS 98036	3. VARIETY NAME Harvard				
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) ACS-PZO Pflanzenzucht Oberlimpurg Oberlimpurg 2 D-74523 Schwäbisch Hall Germany	5. TELEPHONE (Include area code) ++45-451-9348-0 7. PVPO NUMBER 20040	6. FAX (Include area code) + + + 9 - 7 91 - 4 7 3 3 3				
8. Does the applicant own all rights to the variety? Mark an "X" in the 9. Is the applicant (individual or company) a U.S. national or a U.S. I						
10. Is the applicant the original owner? a. If the original rights to variety were owned by individual(s), is YES	NO If no, please answer one (are) the original owner(s) a U.S. National NO If no, give name of count Germany	al(s)?				
b. If the original rights to variety were owned by a company(ies)	NO If no, give name of countr					
11. Additional explanation on ownership (Trace ownership from original explanation on ownership from original explanation on ownership (Trace ownership from original explanation on ownership from original explanation on ownership from original explanation of ownership from ownership fr	nal breeder to current owner. Use the re	verse for extra space if needed):				
PLEASE NOTE: Plant variety protection can only be afforded to the owners (not licens	sees) who meet the following criteria:					

- 1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- 2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- 3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per respons including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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